

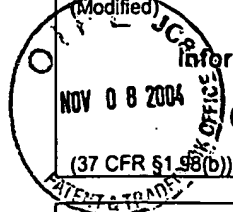
Substitute Form PTO-1449 (Modified) NOV 08 2004 (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 04037-011002	Application No. 10/706,687
	Information Disclosure Statement by Applicant (Use several sheets if necessary)			
	Applicant David E. Wolf		Filing Date November 12, 2003	Group Art Unit 1714

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
↗	AA	4,041,932	08/16/77	Fostick			
	AB	4,071,020	01/31/78	Pugliese			
	AC	4,330,299	05/18/82	Cerami			
	AD	4,344,438	08/17/82	Schultz			
	AE	4,352,883	10/05/82	Lim			
	AF	4,353,888	10/12/82	Sefton			
	AG	4,391,909	07/05/83	Lim			
	AH	4,401,122	08/30/83	Clark, Jr.			
	AI	4,409,331	10/11/83	Lim			
	AJ	4,532,123	07/30/85	Gardner			
	AK	4,663,286	05/05/87	Tsang et al.			
	AL	4,744,933	05/17/88	Rha et al.			
	AM	4,806,355	02/21/89	Goosen et al.			
	AN	4,868,103	09/19/89	Stavrianopoulos et al.			
	AO	4,933,185	06/12/90	Wheatley et al.			
	AP	4,981,779	01/01/91	Wagner			
	AQ	5,001,051	03/19/91	Miller et al.			
	AR	5,028,787	07/02/91	Rosenthal et al.			
	AS	5,084,350	01/28/92	Chang et al.			
	AT	5,101,814	04/07/92	Palti			
	AU	5,143,066	09/01/92	Komives et al.			
	AV	5,211,945	05/18/93	Wallach et al.			
	AW	5,227,298	07/13/93	Weber et al.			
	AX	5,244,636	09/14/93	Walt et al.			
	AY	5,320,814	06/14/94	Walt et al.			
	AZ	5,324,518	06/28/94	Orth et al.			
M	AAA	5,326,531	07/05/94	Hahn et al.			

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7	ABB	5,330,768	07/19/94	Park et al.			
	ACC	5,341,805	08/30/94	Stavridi et al.			
	ADD	5,342,789	08/30/94	Chick et al.			
	AEE	5,427,935	06/27/95	Wang et al.			
	AFF	5,459,054	10/17/95	Skjak-Braek et al.			
	AGG	5,460,971	10/24/95	Gottlieb			
	AHH	5,512,544	04/30/96	Wallach et al.			
	AII	5,543,158	08/06/96	Gref et al.			
	AJJ	5,545,423	08/13/96	Soon-Shiong et al.			
	AKK	5,578,325	11/26/96	Domb et al.			
	ALL	5,626,862	05/06/97	Brem et al.			
	AMM	5,651,980	07/29/97	Lanza et al.			
	ANN	5,679,340	10/21/97	Chappel			
	AOO	5,869,077	02/09/99	Dionne et al.			
	APP	5,871,767	02/16/99	Dionne et al.			
	AQQ	5,972,363	10/26/99	Clikeman et al.			
	ARR	5,955,108	09/21/99	Sutton et al.			
	ASS	6,040,194	03/21/00	Chick et al.			
7	ATT	6,126,936	10/03/00	Lanza et al.			

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
7	AUU	0 127 713	11/02/89	EPO				
	AVV	0 127 989	12/12/84	EPO				
	AWW	0 180 309 B2	12/17/97	EPO				
	AXX	0 188 309 B1	05/23/90	EPO				
7	AYY	0 301 777 A1	02/01/89	EPO				

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3	AZZ	0 433 900 B1	09/20/95	EPO				
	AAAA	0 512 528 B1	09/15/99	EPO				
	ABBB	0 526 905 A2	02/10/93	EPO				
	ACCC	0 606 869 A1	07/20/94	EPO				
	ADDD	1 236 885	06/23/71	GB				
	AEEE	1 257 178	12/15/71	GB				
	AFFF	2 119 734 A	11/23/83	GB				
	AGGG	WO 83/03061	09/15/83	PCT				
	AHHH	WO 90/10861	09/20/90	PCT				
	AIHH	WO 92/19195	11/12/92	PCT				
	AJJJ	WO 93/24112	12/09/93	PCT				
	AKKK	WO 94/12161	06/09/94	PCT				
	ALLL	WO 94/15589	07/21/94	PCT				
	AMMM	WO 95/19743	07/27/95	PCT				
	ANNN	WO 95/31206	11/23/95	PCT				
	AOOO	WO 96/28029	09/19/96	PCT				
3	APPP	WO 99/29306	06/17/99	PCT				

### Other Documents (include Author, Title, Date, and Place of Publication)

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3	AQQQ	Abbas et al., "Cytokines," <u>Cell. Mol. Immunol.</u> , W.B. Saunders Co., 2 <sup>nd</sup> Edition, 1994, Chapter 12, pp. 240-260
	ARRR	Bruce and Heinrich, "Production and Characterization of Biologically Active Recombinant Human Nerve Growth Factor," <u>Neurobiology of Aging</u> , 1989, 10:89-94
	ASSS	Bruni et al., "Hepatocytes Immobilised by Microencapsulation in Artificial Cells: Effects on Hyperbilirubinemia in Gunn Rats," <u>Biomat., Art. Cells, Art. Org.</u> , 1989, 17(4):403-411
	ATTT	Cai et al., "Development and Evaluation of a System of Microencapsulation of Primary Rat Hepatocytes," <u>Hepatology</u> , 1989, 10(5):855-860
	AUUU	Cardullo et al., "Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer," <u>Proc. Natl. Acad. Sci. USA</u> , 1988, 85(23):8790-8794
3	AVVV	Cardullo et al., "Synthesis, Purification, and Characterization of 2,4,6-Trinitrophenyl-UDP-galactose: A Fluorescent Substrate for Galactosyltransferase," <u>Anal. Biochem.</u> , 1990, 188:305-309

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6-22-06

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Examiner Initial	Desig. ID	Document
2	AWWW	Cerra, "Hypermetabolism, organ failure, and metabolic support," <u>Surgery</u> , 1987, 101(1):1-14
1	AXXX	Chang et al., "Semipermeable Aqueous Microcapsules. I. Preparation and Properties," <u>Can. J. Physiol. Pharmacol.</u> , 1966, 44:115-128
	AYYY	Chang, "Artificial Cells: The Use of Hybrid Systems," <u>Artificial Organs</u> , 1980, 4(4):264-271
	AZZZ	Chang, "Artificial Cells in Immobilization Biotechnology," <u>Biomat., Art. Cells &amp; Immob. Biotech.</u> , 1992, 20(5):1121-1143
	AAAAA	Chang, "Blood Substitutes Based on Modified Hemoglobin Prepared by Encapsulation or Crosslinking: An Overview," <u>Biomat., Art. Cells &amp; Immob. Biotech.</u> , 1992, 20(2-4):159-179
	ABBBB	Chang, "Living Cells and Microorganisms Immobilized by Microencapsulation inside Artificial Cells," <u>Fundamentals of Animal Cell Encapsulation and Immobilization</u> , 1993, Goosen (ed.), CRC Press, Chapter 8, pp. 183-196
	ACCCC	Chang, "Bioencapsulation in Biotechnology," <u>Biomat., Art. Cells &amp; Immob. Biotech.</u> , 1993, 21(3):291-297
	ADDDD	Chien et al., "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest," <u>Proc. Natl. Acad. Sci. USA</u> , 1991, 88:9578-9582
	AEEEE	Dahinden et al., "Regulation of Cytokine Expression by Human Blood Basophils," <u>Int. Arch. Allergy Immunol.</u> , 1997, 113:134-137
	AFFFF	de Oca et al., "21-Aminosteroid & 74389G (Lazaroid) Inhibits Bacterial Translocation After Small Bowel Transplantation in Rats," <u>Transplantation Proceedings</u> , 1997, 29(3):1803
	AGGGG	Dupuy et al., "Microencapsulation of isolated pituitary cells by polyacrylamide microlatex coagulation on agarose beads," <u>Biomaterials</u> , 1991, 12(5):493-496
	AHHHH	Essayan et al., "Regulation of Interleukin-13 by Type 4 Cyclic Nucleotide Phosphodiesterase (PDE) Inhibitors in Allergen-Specific Human T Lymphocyte Clones," <u>Biochemical Pharmacology</u> , 1997, 53(7):1055-1060
	AIIII	Fici et al., "Effects of Lazaroids and a Peroxynitrite Scavenger in a Cell Model of Peroxynitrite Toxicity," <u>Free Radical Biology &amp; Medicine</u> , 1997, 22(1/2):223-228
	AJJJJ	Förster, "Experimentelle und theoretische Untersuchung des zwischenmolekularen Übergangs von Elektronenanregungsenergie," <u>Zeitschrift für Naturforschung</u> , 1949, 4a:321-327
	AKKKK	Förster, "Transfer Mechanisms of Electronic Excitation," <u>Discussions of the Faraday Society</u> , 1959, 27:7-17
	ALLLL	Goodman et al., "Long Pentraxins: an Emerging Group of Proteins with Diverse Functions," <u>Cytokine &amp; Growth Factor Reviews</u> , 1996, 7(2):191-202
	AMMMM	Goosen et al., "Immobilization of Living Cells in Biocompatible Semipermeable Microcapsules: Biomedical and Potential Biochemical Engineering Applications," <u>Polymers in Medicine II: Biomedical and Pharmaceutical Applications</u> , 1985, Chiellini et al., (eds.), Plenum Press, pp. 235-246
	ANNNN	Goosen, "Insulin Delivery Systems and the Encapsulation of Cells for Medical and Industrial Use," <u>CRC Critical Reviews in Biocompatibility</u> , 1987, 3(1):1-24
	AOOOO	Grasbon-Frodl et al., "Mesencephalic neuron death induced by congeners of nitrogen monoxide is prevented by the lazard U-83836E," <u>Exp. Brain Res.</u> , 1997, 113:138-143
3	APPPP	Haugland, <u>Handbook of Fluorescent Probes and Research Chemicals</u> , 1989, Molecular Probes, Inc., Eugene, OR (TOC only)

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7	AQQQQ	Heller and Morrison, "Chemiluminescent and Fluorescent Probes for DNA Hybridization Systems," <u>Rapid Detection and Identification of Infectious Agents</u> , 1985, Academic Press, pp. 245-256
	ARRRR	Heller et al., "Fluorescent Energy Transfer Oligonucleotide Probes," <u>Federation Proceedings</u> , 1987, 46(6), Abstract No. 248
	ASSSS	Ishizaki et al., "Comparison of Various Lazaroid Compounds for Protection Against Ischemic Liver Injury," <u>Transplantation Proceedings</u> , 1997, 29(1/2):1333-1334
	ATTTT	Ito et al., "In vitro Study of Multicellular Hepatocyte Spheroids Formed in Microcapsules," <u>Artif. Organs</u> , 1992, 16(4):422-427
	AUUUU	Joyce et al., "Two inhibitors of pro-inflammatory cytokine release, interleukin-10 and interleukin-4, have contrasting effects on release of soluble p75 tumor necrosis factor receptor by cultured monocytes," <u>Eur. J. Immunol.</u> , 1994, 24(11):2699-2705
	AVVVV	Kirk-Othmer, <u>Encyclopedia of Chemical Technology</u> , Fourth Edition, John Wiley & Sons, New York, Vol. 4, pp. 208-220
	AWWWW	Krysztopik et al., "Lazaroids Prevent Acute Cyclosporine-induced Renal Vasoconstriction," <u>Transplantation</u> , 1997, 63(9):1215-1220
	AXXXX	Kucharzik et al., "Synergistic Effect of Immunoregulatory Cytokines on Peripheral Blood Monocytes from Patients with Inflammatory Bowel Disease," <u>Digestive Diseases and Sciences</u> , 1997, 42(4):805-812
	AYYYY	Lakowicz, "Fluorescence Lifetime Sensing Generates Cellular Images," <u>Laser Focus World</u> , 1992, 28(5):60-62, 66-80
	AZZZZ	Lanza et al., "Xenotransplantation of canine, bovine, and porcine islets in diabetic rats without immunosuppression," <u>Proc. Natl. Acad. Sci. USA</u> , 1991, 88(24):11100-11104
	AAAAA	Lanza et al. (eds.), <u>Immunomodulation of Pancreatic Islets</u> , 1994, R.G. Landes, Texas, Chapter 7
	ABBBB	Leung et al., "Microencapsulation of Crystalline Insulin or Islets of Langerhans: An Insulin Diffusion Study," <u>Artificial Organs</u> , 1983, 7(2):208-212
	ACCCC	MacDonald, "Human Recombinant Histamine-Releasing Factor," <u>Int. Arch. Allergy Immunol.</u> , 1997, 113:187-189
	ADDDD	McKinnon et al., "Cross-Linking a Maturation-Dependent Ram Sperm Plasma Membrane Antigen Induces the Acrosome Reaction," <u>Molecular Reproduction and Development</u> , 1991, 29:200-207
	AEEEE	Meadows and Schultz, "Fiber-optic Biosensors Based on Fluorescence Energy Transfer," <u>Talanta</u> , 1988, 35(2):145-150
	AFFFF	Nelson and Feldman, "Diabetes Mellitus in Dogs & Cats," <u>Diabetes Spectrum</u> , 1992, 5(6):324-325, 370-371
	AGGGG	Nguyen et al., "Interleukin (IL)-15 is a Novel Cytokine That Induces Lymphokine-activated Killer (LAK) Activity in Neonatal Cells," <u>J. Invest. Med.</u> , 1997, 45(3):241A
	AHHHH	Parker and Cox, "Glucose/oxygen sensor," <u>SPIE</u> , 1986, 713:113-120
	AIIII	Patel and Gores, "Inhibition of Bile-Salt-Induced Hepatocyte Apoptosis by the Antioxidant Lazaroid U83836E," <u>Toxicology and Applied Pharmacology</u> , 1997, 142(1):116-122
21	AJJJJ	Roberts et al., "Natural Killer (NK) Activity in Neonatal Cells: Role of Interleukin (IL)-12 and IL-15," <u>J. Invest. Med.</u> , 1997, 45(3):235A

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3	AKKKKK	Rosenberg et al., "Gene Transfer Into Humans - Immunotherapy of Patients with Advanced Melanoma, Using Tumor-Infiltrating Lymphocytes Modified by Retroviral Gene Transduction," <u>New Eng. J. Med.</u> , 1990, 323(9):570-578
	ALLLLL	Schultz et al., "Affinity Sensor: A New Technique for Developing Implantable Sensors for Glucose and Other Metabolites," <u>Diabetes Care</u> , 1982, 5(3):245-253
	AMMMMM	Segal et al., "Microbial Products Induce Autoimmune Disease by an IL-12-Dependent Pathway," <u>J. Immunol.</u> , 1997, 158:5087-5090
	ANNNNN	Soon-Shiong et al., "An Immunologic Basis for the Fibrotic Reaction to Implanted Microcapsules," <u>Transplantation Proceedings</u> , 1991, 23(1):758-759
	AOOOOO	Soon-Shiong et al., "Successful Reversal of Spontaneous Diabetes in Dogs by Intraperitoneal Microencapsulated Islets," <u>Transplantation</u> , 1992, 54(5):769-774
	APPPPP	Stryer and Haugland, "Energy Transfer: A Spectroscopic Ruler," <u>Proc. Natl. Acad. Sci. USA</u> , 1967, 58:719-726
	AQQQQQ	Sun et al., "Microencapsulated Cells As Hormone Delivery Systems," <u>CRC Critical Reviews in Therapeutic Drug Carrier Systems</u> , 1987, 4(1):1-12
	ARRRRR	Tanaka et al., "Lazaroid U-74500A For Warm Ischemia and Reperfusion Injury of the Canine Small Intestine," <u>J. Am. Coll. Surg.</u> , 1997, 184(4):389-396
	ASSSSS	Torri et al., "Synaptosomal Iron-Dependent Lipid Peroxidation Inhibition After Subarachnoid Hemorrhage by Lazaroid In Vivo Treatment," <u>Molecular and Chem. Neuropathol.</u> , 1997, 30(1/2):15-24
	ATTTTT	Villa and Gorini, "Pharmacology of Lazaroids and Brain Energy Metabolism: A review," <u>Pharmacological Reviews</u> , 1997, 49(1):99-136
	AUUUUU	Warnock and Rajotte, "Critical Mass of Purified Islets That Induce Normoglycemia After Implantation Into Dogs," <u>Diabetes</u> , 1988, 37(4):467-470
	AVVVVV	Welling et al., "Systemic Delivery of the Interleukin-1 Receptor Antagonist Protein Using a New Strategy of Direct Adenoviral-Mediated Gene Transfer to Skeletal Muscle Capillary Endothelium in the Isolated Rat Hindlimb," <u>Human Gene Therapy</u> , 1996, 7(15):1795-1802
	AWWWWW	Wesch et al., "Comparative analysis of $\alpha\beta$ and $\gamma\delta$ T cell activation by <i>Mycobacterium tuberculosis</i> and isopentenyl pyrophosphate," <u>Eur. J. Immunol.</u> , 1997, 27(4):952-956
	AXXXXX	Widner et al., "Transplanted Allogeneic Fetal Dopamine Neurons Survive and Improve Motor Function in Idiopathic Parkinson's Disease," <u>Transplantation Proceedings</u> , 1991, 23:793-795
	AYYYYY	Williams et al., "Continuous infusion of nerve growth factor prevents basal forebrain neuronal death after fimbria fornix transection," <u>Proc. Natl. Acad. Sci. USA</u> , 1986, 83(23):9231-9235
	AZZZZZ	Wilson, <u>Biotechnology</u> , 1983, 1:3-4
	AAAAAA	Wong and Chang, "The Viability and Regeneration of Artificial Cell Microencapsulated Rat Hepatocyte Xenograft Transplants in Mice," <u>Biomat., Art. Cells, Art. Org.</u> , 1988, 16(4):731-739
	ABBBBB	Wong and Chang, "The Microencapsulation of Cells Within Alginate Poly-L-Lysine Microcapsules Prepared with the Standard Single Step Drop Technique: Histologically Identified Membrane Imperfections and the Associated Graft Rejection," <u>Biomat., Art. Cells &amp; Immob. Biotech.</u> , 1991, 19(4):675-686
M	ACCCCC	Wong and Chang, "A Novel Two Step Procedure For Immobilizing Living Cells in Microcapsules for Improving Xenograft Survival," <u>Biomat., Art. Cells &amp; Immob. Biotech.</u> , 1991, 19(4):687-697

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3	ADDDDD	Young et al., "Inverted Microcarriers. Using Microencapsulation to Grow Anchorage-Dependent Cells in Suspension," <u>BioPharm.</u> , 1989, 2:34-46
4	AEEEEEE	Young, "Inverted Microcarriers: Using Microencapsulation to Grow Anchorage-Dependent Cells," <u>Fundamentals of Animal Cell Encapsulation and Immobilization</u> , CRC Press, 1993, Chapter 11, pp. 243-265
5	AFFFFFF	Zurawski and de Vries, "Interleukin 13, an interleukin 4-like cytokine that acts on monocytes and B cells, but not on T cells," <u>Immunology Today</u> , 1994, 15(1):19-26

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